

III (Asgeirsson et al., Eur. J. Biochem. 180:85-94, 1989). The cod trypsins have the amino terminal sequence (SEQ ID NO:1) I-V-G-G-Y-Q/E-C-E/T-K/R-H-S-Q-A-H-QV-S-L-N-S while mammalian trypsins such as bovine trypsin have the amino terminal sequence (SEQ ID NO:2) I-V-G-G-Y-T-C-G-A-N-T-V-P-Y-Q-V-S-L-N-S. All three isoforms of cod trypsin have a similar molecular mass of about 24 kDa.

*C
Cont*

On page 5 of the specification, please amend lines 1-11 to read as follows:

The invention also relates to the medical, pharmaceutical and cosmetic uses of chymotrypsins derived from Atlantic cod or other animals. There are two major isoenzymes of chymotrypsin in Atlantic cod that have been purified and characterized. They have been designated Chymotrypsin A and B (Asgeirsson and Bjarnason., Comp. Biochem. Physiol. 99B:327-335-94, 1992). The cod chymotrypsins have the dual amino terminal sequences of one of its active forms C-G-R/S-P-A-I-S/Q-P-V/Q-I/V-T-G-Y (SEQ ID NO:3) (A chain) and I-V-N-G-E-E-A-V-P-H-S/T-W-S/P/Y-W-Q-V-S-LQ-D/Q (SEQ ID NO:4) (B chain) whereas mammalian chymotrypsins such as bovine chymotrypsin A have the amino terminal sequences C-G-V-P-A-I-Q-P-V-L-S-G-L (SEQ ID NO:5) (A chain) and I-V-N-G-E-E-A-V-P-G-S-W-P-W-Q-V-S-L-Q-D (SEQ ID NO:6) (B chain). Both isoforms of cod chymotrypsin have a similar molecular mass of about 26 kDa.

C2

On page 5 of the specification, please amend lines 24-30 to read as follows:

The preferred method of application of the purified enzymes or mixture of purified enzymes 25 is in a preparation of hydrogel and water containing 0 to 85% (vol/vol) of a polyvalent alcohol (polyol) such as glycerol. A suitable

C3

concentration of trypsin activity is 0.1 to 10,000 enzyme units of activity for CBZ-Gly-Pro-Arg-pNA (carbobenzoxy Gly-Pro-Arg-para nitroanalide) per 100 milliliters of the final hydrogel preparation and the appropriate concentration of chymotrypsin activity is 0.1 to 10,000 enzyme units of activity for Succinyl-Ala-Ala-Pro-Phe pNA (SEQ ID NO:7) per 100 milliliters of the final hydrogel preparation.

C³
CONT

On page 12 of the specification, please amend lines 21-24 to read as follows:

C⁴

The molecular mass of the cod trypsins is about 24 kDa, whereas their isoelectric points are 6.6, **6.2** and **5.5** for trypsin I, **II** and **III** respectively. The amino acid sequences of the three isozymes of cod trypsin can be expressed with the following sequence, (SEQ ID NO:8) which contains point variability due to the multiple isoforms: